SONY

KDL-55V5100

55" Class BRAVIA® V Series LCD TV

Key Features

- 16:9 Full HD 1080p Resolution Panel (1920x1080)
- Dynamic Contrast Ratio: 50,000:1
- BRAVIA Engine™ 2 fully digital video processor
- Motionflow™ 120Hz technology
- USB with photos and music
- BRAVIA® Link compatibility
- 7 HD Inputs (HDMI x4/ Component x2/ PC x1)
- BRAVIA® Sync capable[3]
- ACE (Advanced Contrast Enhancer)
- Light Sensor™ technology

Key Technologies

16:9 Full HD 1080p Resolution Panel (1920x1080) 16:9 Full HD 1080p resolution panel (1920x1080) accepts any HDTV signal and renders it with optimum resolution, so you can take full advantage of Blu-ray Disc™ players and Sony® PLAYSTATION® 3 entertainment systems that can deliver 1080p content.

Dynamic contrast Dynamic contrast involves real-time image processing that results in deep blacks in darker scenes, as well as fine details in shadows and other dark areas of the picture for a difference you can truly see.

Motionflow™ 120Hz technology Motionflow™ 120HZ technology doubles the frame rate to help remove judder in film sources, HD content, and broadcast movies and primetime programming, creating smoother, more fluid motion that delivers a natural and realistic viewing experience.

BRAVIA Engine™ 2 fully digital video processor The BRAVIA Engine 2 fully digital video processor uses a collection of unique Sony technologies to significantly reduce noise, enhance overall image detail, and optimize contrast so every scene produces sharp, vibrant, life-like images and color.

HD input x 7 Get versatile HD connection options with seven HD inputs. Four HDMI™ inputs (up to 1080/60p capable)1 let you connect a Sony® PLAYSTATION® 3 entertainment system, Blu-ray Disc™ player, or any other HDMI-capable equipment and get uncompressed digital video and multi-channel digital audio on a single cable. An HD component input and an HD combo input (1080/60p capable) provide added HD-capable connectivity, and a PC input2 (HD-15 pin) offers the added versatility of using your HDTV as a computer monitor.

USB with photos and music Connect your camera, USB-enabled MP3 player, or USB storage device directly to your HDTV's USB input to view photos on the big screen or listen to your favorite MP3's.

BRAVIA® Link compatibility BRAVIA Link compatibility expands your HDTV's capabilities by letting you connect optional BRAVIA Link modules, including the BRAVIA DVD Link, BRAVIA Wireless Link, and BRAVIA Input Link (all sold separately).

BRAVIA

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Features

General

Hotel Mode Menu: External module
Closed Captions (CC): Analog, Digital
On-Screen Display: Traditional
Finish (Surface Color): Piano Black
Demo Mode: Yes
BRAVIA® Link Module support: DMX-DVD; DMX-WL1; DMX-SW1

Display

Backlight Type: CCFL
Display Device: LCD

Video

Video Processing: BRAVIA Engine 2™ Technology
CineMotion® Reverse 3:2 Pulldown Technology: Yes
Game Mode: Yes
Wide Mode: Full, Normal, Wide Zoom, Zoom, Full Pixel
3D Comb Filter: Yes
Auto Wide: Yes
4:3 Default: Yes
24p True Cinema™ Technology: Yes
Picture Mode: Vivid, Standard, Cinema, Custom, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom
Advanced Contrast Enhancer (ACE): Yes
Motionflow™ Technology: 120 Hz

Audio

Digital Amplifier: Standard
Auto SAP: Yes
Auto Mute (on no signal): Yes
Steady Sound® Automatic Volume Control: Yes
Audio Out: Fixed
Stereo System: MTS
Dolby®: Dolby® Digital (for broadcasting)
Alternate Audio (Digital): Yes
SRS®: SRS® TruSurround XT®
Sound Mode: Clear Voice, Dynamic, Custom, Standard

Convenience

Channel Jump: Yes
Favorite Channel: Standard
Multiple Language Display: English, Spanish, French
Info Banner: PSIP, XDS
Sleep Timer: Yes
Input Skip: Manual
Channel Surf: Yes
Remote Control: RM-YD024
Channel Block (with password): Yes
Edit Channel Labels: Yes
Label Inputs: Yes
ID-1 Detection: Yes
On/Off Timer: Yes
USB Application(s): Photo Viewer (JPEG), Music Player (MP3)
Theatre Mode (Theatre Button): Yes
Show/Hide Channels: Yes
Auto Shut-off: Yes
BRAVIA® Sync™ : Yes
Parental Control: Yes
BRAVIA® Sync™ Menu Button: Yes (on Remote Control)
Channel Labels: Yes
Control for HDMI™ (HDMI™ CEC): Yes
Auto Photo Mode: Yes (via USB)
On-Screen Clock: Yes
Picture Adjustments Lock: Yes
White Balance: RGB Gain/Bias
Start Up BRAVIA® Logo Display: Yes
Favorites Menu: Graphic

Specifications

General

Television Type: Flat Panel LCD HDTV

Display

Viewing Angle (Right/Left): 178 (89/89)
Viewing Angle (Up/Down): 178 (89/89)
On-screen Contrast Ratio: 5,000:1
Dynamic Contrast Ratio: 50,000:1
Screen Size (measured diagonally): 54.6"
Native Resolution: 1920 x 1080
Display Resolution: 1920 x 1080p (Full HD)
Panel Bit: 8-bit
Aspect Ratio: 16:9
Color Range (u'v'): 90% of NTSC
Color Range (xy): 72% of NTSC

TV System

Tuner (Cable): Clear QAM
Tuner (Terrestrial): ATSC™ / NTSC
Channel Coverage: VHF: 2-13
UHF: 14-69
CATV (analog): 1-135
CATV (digital) : 1-135
TV System (Analog): M
Number of Tuners (Digital): 1(Hybrid)
TV System (Digital): ATSC
Color System: NTSC

Video

Video Signal: 1080/60p (HDMI™ / COMPONENT), 1080/60i, 1080/24p (HDMI™ ONLY), 720/60p, 480/60p, 480/60i

Audio

Audio Power Output: 20W (10W X 2)
Speakers (Total): 2
Speaker Configuration: 2.0

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 2 (Rear) (1 Fix / 1 Selectable)
Composite Video Input(s): 2 (1 Side / 1 Rear (Selectable))
Digital Audio Output(s): Optical Digital Output - 1 (Rear)
RF Connection Input(s): 1 (Rear)
S-Video Input(s): 1 (Side)
Analog Audio Input(s) (Total): 5 (2 Side/3 Rear)
Audio Out: 1 (Rear)
HDMI™ Connection(s) (Total): 4 (3 Side /1 Rear)
PC In (D-Sub) + Audio In (Stereo Mini): 1 (Side) see owner's manual for supported timings
USB 2.0: 1 (Side)
HDMI™ PC Input: Yes (see owner's manual for supported timings)
S-Video Detection: Yes
AC Power Input: 1 (Rear)
Analog Audio Input(s) for HDMI™ : 1 (Rear)
USB 1.1: 1 (Rear) (Service only)

Power

Power Consumption (in Standby): Less than 1W
Power Requirements (voltage): AC 120V
Power Requirements (frequency): 60HZ
Power Consumption (in Operation) max.: 300 W (max)

Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes
VESA® Hole Pitch: 400X300 M6/12-16MM

Service and Warranty Information

Limited Warranty Term: 1 Year Labor / 1 Year Parts
Online Instruction Manual (Reference Book): Yes

Energy Saving & Efficiency

LightSensor™ Technology: Yes
Power Saving Modes: Yes
Energy Star® compliant: Exceeds Energy Star® Version 3.0
Eco Settings: Yes
Dynamic Backlight Control: Yes
Backlight Off Mode: Yes
PC Power Management: Yes
Estimated Annual Energy Consumption (kWh): 449.21 kW
Power Consumption (On Mode) for Energy Star: 245 W
Power Consumption (Standby Mode) for Energy Star: 0.3 W

Recycled & Recyclable Materials

Packaging Materials: Recycled Carton (more than 40%)
Printed Materials: FSC Certified

Dimensions

Weight: 75.2 lb. (34.1 Kg) without stand, 85.3 lb (38.7 Kg) with stand
Measurements: 52 5/8 x 33 7/8 x 4 5/8 in (1335 x 859 x 117mm) without stand, 52 5/8 x 35 3/4 x 14 3/8 in (1335 x 906 x 362mm) with stand

Supplied Accessories

Remote Control RM-YD028
Batteries (Type AA x2)
AC Power Cord (attached)
Screws (4) for pedestal
Operating Instructions
Quick Setup Guide
Warranty Card
Table Top Stand (separate, pre-assembled)

Optional Accessories

SU-WL500 Wallmount Bracket
BRAVIA® DVD Link
BRAVIA® Input Link
BRAVIA® Wireless Link

UPC Code: 027242774988

1. HDMI™ connector required and sold separately.
2. Limited to resolutions supported by both the PC and the Sony® HDTV or is it HDTV. See Sony TV user's manual and PC documentation for the supported resolutions.
3. Works with other BRAVIA® Sync™ or Theatre SyncTM labeled home audio/video products when connected via HDMI.
4. Check with your local TV station or cable company for details on accessing or subscribing to HD content.

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Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).